

MATERIAL SAFETY DATA SHEET

Product Name: ERL 4221
Catalog Number: 21321
DOT Hazard Class: Not Regulated
MSDS Prepared: 8/2009

Distributed By: Ladd Research
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CHEMICAL COMPONENTS

	<i>CAS Number</i>	<i>Percent</i>	<i>Exposure Limits</i>
7-Oxabicyclo [4.1.0] heptane-3-carboxylic acid, 7-oxabicyclo [4.1.0]hept-3-yl methyl ester	2386-87-0	>82% <89%	Not available
Soluble Oligomer	not available	>8% <13%	Not available
Monoepoxides of 3-cyclohexenyl-methyl-3-cyclohexene carboxylate	not available	>3% <5%	Not available

PHYSICAL AND CHEMICAL DATA

Physical State and Appearance – Odorless, colorless, liquid

Boiling Point: >250°C at 1 atmosphere

Vapor Density: 9 (air=1)

Specific Gravity: 1.173 (water=1)

Freezing Point: Sets to glass at -37°C

Solubility in Water: >0.1%

Molecular Weight: 252 g/mol

FIRE AND EXPLOSION HAZARD DATA

Flash Point: 118°C (Pensky-Martens Closed Cup)

Flammable Limits: Not available

Autoignition Temperature: Not determined

Extinguishing Media: Water fog or fine spray. Dry chemical. Carbon dioxide. Foam.

Unusual Fire and Explosion Hazards: Violent steam generation or eruption may occur upon application of direct water stream to hot liquids.

Hazardous Combustion Products: Phenolic compounds, CO₂, CO

HEALTH HAZARD DATA

Eye: Slight eye irritation

Skin: Slight skin irritation.

EMERGENCY AND FIRST AID

Inhalation: Remove to fresh air. Consult doctor if needed.
Eye: Flush immediately with water for at least 1 to 2 minutes.
Skin: Remove material with soap and water.

REACTIVITY DATA

Stability: Stable
Conditions to Avoid: Elevated temperatures.
Incompatible Materials: Oxidizing materials. Avoid contact with acids and bases.
Hazardous Polymerization: Will not occur by itself.

SPILL, DISPOSAL AND STORAGE INFORMATION

Spill: Contain spilled material. Collect in suitable container. Wash spill site with water.
Disposal: Do not dump into sewers, on the ground, or into any body of water. Dispose of in accordance with local, state and federal regulations.
Storage: Store in cool, dry place.

PROTECTIVE EQUIPMENT AND CONTROL MEASURES

Respiratory: None needed
Ventilation: Good general ventilation sufficient.
Eye: Safety glasses

SECTION 313 SUPPLIER NOTIFICATION

Not applicable.

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